

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty

For receivi	ing Ornce use only
International Application No.	
International Filing Date	
Name of receiving Office and '	"PCT International Application"

according to the Patent Cooperation Treaty. Name of receiving O		ffice and "PCT International Application"		
·	Applicant's or agent's (if desired) (12 charac	file reference ters maximum) 207707/DJW		
Box No. I TITLE OF INVENTION SIGNAL PATH DETECTION FOR WIRELESS NETWORKS INCLUDING REPEATERS				
Box No. II APPLICANT This person	on is also inventor			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)				
NOKIA CORPORATION KEILALAHDENTIE 4		Facsimile No.		
FIN-02150 ESPOO FINLAND		Teleprinter No.		
· · · · · · <u>-</u> · · · ·		Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country)	of residence:		
This person is applicant for the purposes of: all designated the United States All designated the United States	d States except tates of America	the United States of America only the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURT)	HER) INVENTOR(S)			
The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence POYKKO; SAMI KEIJUMAKI 1 I 72 02130 ESPOO FINLAND	e is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country)	of residence:		
This person is applicant all designated all designated the United Su	States except ates of America	he United States the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated or	a a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE;	OR ADDRESS FOR	CORRESPONDENCE		
The person identified below is hereby/has been appointed to act or of the applicant(s) before the competent International Authorities a	as:	gent common representative		
Name and address: (Family name followed by given name; for a legal enting. The address must include postal code and name of countries to the contribution of the cont), full official designation. mtry.)	Telephone No. (020) 7831-7929		
PAGE WHITE & FARRER, 54 Doughty Street,		Facsimile No. (020) 7831-8040		
London WC1N 2LS,		Teleprinter No.		
United Kingdom.	-	Agent's registration No. with the Office		
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.				







			Sheet No2		
В	ox No	0. V DESIGNATION OF STATES	Mark the applicable check-boxes below,	at least one must be marked.	
T	ıe fol	llowing designations are hereby made	under Rule 4.9(a):		
R	egio	nal Patent			
	AP	SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State	M Gambia, KE Kenya, LS Lesotho, MW United Republic of Tanzania, UG Uganda, 2 of the Harare Protocol and of the PCT (if ot	LM Zambia, ZW Zimbabwe, and any other her kind of protection or treatment desired,	
X	EA		Z Azerbaijan, BY Belarus, KG Kyrgyzstan, I tan, TM Turkmenistan, and any other State w		
(32)	EP	DK Denmark, ES Spain, FI Finlan	BE Belgium, CH & LI Switzerland and L d, FR France, GB United Kingdom, GR Gree Portugal, SE Sweden, TR Turkey, and any o dd of the PCT	ce, IE Ireland, IT Italy, LU Luxembourg,	
	OA	GA Gabon, GN Guinea, GQ Equa TD Chad, TG Togo, and any other	BJ Benin, CF Central African Republic, CG torial Guinea, GW Guinea-Bissau, ML Mali State which is a member State of OAPI and a pecify on dotted line)	, MR Mauritania, NE Niger, SN Senegal, Contracting State of the PCT (if other kind	
Na	tion	nal Patent (if other kind of protection	or treatment desired, specify on dotted line):		
				X NZ New Zealand	
			HR Croatia	M OM Oman	
			HU Hungary	PH Philippines	
X	AM	Armenia	ID Indonesia	X PL Poland	
X	ΑT	Austria	X 1L Israel	T Portugal	
			X IN India		
X	ΑZ	Azerbaijan	IS Iceland	RU Russian Federation	
			☑ JP Japan		
			KE Kenya		
X	BG	Bulgaria	KG Kyrgyzstan	X SE Sweden	
X	BR	Brazil	KP Democratic People's Republic	SG Singapore	
X	BY	Belarus	of Korea	SI Slovenia	
X	ΒZ	Belize	KR Republic of Korea	SK Slovakia	
			KZ Kazakhstan	SL Sierra Leone	
X	CH .	& LI Switzerland and Liechtenstein	LC Saint Lucia	TJ Tajikistan	
X	CN	China	LK Sri Lanka	TM Turkmenistan	
		Colombia		TN Tunisia	
			LS Lesotho	TR Turkey	
		Cuba		TT Trinidad and Tobago	
		Czech Republic			
Ø	DE	Germany	🛣 LV Latvia 🐧	TZ United Republic of Tanzania	
X	DK	Denmark	MA Morocco		
X	DM :	Dominica	MD Republic of Moldova		
		Algeria		US United States of America	
			MG Madagascar		
			MK The former Yugoslav Republic of		
X :	ES :	Spain	Macedonia 5	VN Viet Nam	
		Finland	MN Mongolia	YU Yugoslavia	
		United Kingdom	MWMalawi	ZA South Africa	
K (GD (Grenada	MX Mexico		
	GE (Georgia	MZ Mozambique	ZW Zimbabwe	
KI (GH (Ghapa	NO Norway		
The	Theck-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:				
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Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)





Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box No..." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of restdence is indicated below:
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI. patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box No. IV

RICHARDS, David John (GB)
JENKINS, Peter David (GB)
DRIVER, Virginia Rozanne (GB)
DANIELS, Jeffrey Nicholas (GB)
STYLE, Kelda Camilla Karen (GB)
SHACKLETON, Nicola (GB)
SLINGSBY, Philip Roy (GB)
HILL, Christopher Michael (GB)
RUUSKANEN, Juha-Pekka (FI)
WILLIAMS, David John (GB)
EVANS, Marc Nigel (GB)
EVENSON, Jane Harriet (GB)
PALMER, Roger (GB)
PENDLEBURY, Anthony (GB)

all of

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Sheet No. . . 4 . . .

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Box No. VI PRIORITY CLAIM					
The priority of the following	ng earlier application(s) is here	by claimed:			
Filing date	Filing date Number		Where earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application: receiving Office	
item (1)					
item (2)					
item (3)					
item (4)				·	
· · · · (5)					
item (5)					
Further priority claims	are indicated in the Supplement	ntal Box.			
	nested to prepare and transmit to filed with the Office which for t				
all items item (1) item (2) item (3) item (4) item (5) other, see Supplemental Box					
* Where the earlier applicat Industrial Property or one N	* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):				
Box No. VII INTERNA	TIONAL SEARCHING AUT	HORITY			
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):					
ISA / SE					
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):					
. Date (day/month/year)	Date (day/month/year) Number Country (or regional Office)				
Box No. VIII DECLARATIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration):					
Box No. VIII (i)	Declaration as to the identity	of the inventor		; ·	
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :				
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				
Box No. VIII (iv)	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				
Box No. VIII (v)	Declaration as to non-prejud	icial disclosures or except	ions to lack of novelty	:	







Box No. IX CHECK LIST; LANGUAGE	OF FILING	
This international application contains: (a) the following number of sheets in paper form: request (including declaration sheets) 5 description (excluding sequence listing part) 22 claims 6 abstract 1 drawings 3 Sub-total number of sheets 37 sequence listing part of description (actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (b) below) Total number of sheets 37 (b) sequence listing part of description filed in computer readable form (i) only (under Section 801(a)(i)) (ii) in addition to being filed in paper form (under Section 801(a)(ii)) Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in right column): Figure of the drawings which should accompany the abstract: 2	This international application is accompanied by the follow item(s) (mark the applicable check-boxes below and indicate right column the number of each item): 1.	ganism e also type or other)) onal search rked in left applicable, arch under entity ng part
Date of actual receipt of the purported international analysis in ternational analysis in ternational analysis.	For receiving Office use only	2. Drawings:
international application: Corrected date of actual receipt due to later but timely received papers or drawings completing	t 3	received:
the purported international application: Date of timely receipt of the required corrections under PCT Article 11(2):		not received:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	·
Date of receipt of the record copy by the International Bureau:	For International Bureau use only	